

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-58 (Canceled).

Claim 59 (Currently Amended): A radioactive substance container comprising a thick bottomed container, wherein

a bottom section and a body section of the thick bottomed container are formed integrally and seamlessly without welding and ensuing heat treatment by hot-dilating a metal billet in a container for forming, wherein sections of inner and outer circumferences of the thick bottomed container vertical to an axial direction of the thick bottomed container are octagonal.

Claim 60 (Previously Presented): The radioactive substance container according to claim 59, wherein the inner circumference of the thick bottomed container vertical to the axial direction of the bottomed container has an irregular octagonal shape which is modified from rectangular shape by chamfering four corners of the rectangular shape.

Claim 61 (Currently Amended): A radioactive substance container comprising a thick bottomed container, wherein

a bottom section and a body section of the thick bottomed container are formed integrally and seamlessly without welding and ensuing heat treatment by hot-dilating a metal billet in a container for forming, wherein inner circumference of the bottomed container vertical to an axial direction of the bottomed container is polygonal, wherein the polygonal is

defined as a modified shape of rectangular by shaping each of the four corners of the rectangular shape having at least a step.

Claim 62 (Canceled).

Claim 63 (Previously Presented): The radioactive substance container according to claim 59, wherein an outer diameter of the bottomed container is not less than 1000 mm to not more than 3000 mm and its thickness is not less than 150 mm to not more than 300 mm.

Claim 64 (Previously Presented): The radioactive substance container according to claim 59, wherein a spot facing section is further formed integrally with the bottom section at the time of forming the bottomed container.

Claim 65 (Previously Presented): The radioactive substance container according to claim 59, wherein a flange is further provided integrally with the body section of the bottomed container.

Claim 66 (Canceled).

Claim 67 (Currently Amended): A radioactive substance container comprising:
a thick bottomed container, wherein when
a metal billet is hot-dilated in a container for forming one end of the metal billet is left not hot-dilated so as to be a bottom section, wherein the bottom section and the body section are formed integrally and seamlessly without welding and ensuing heat treatment, wherein

sections of inner and outer circumferences of the bottomed container vertical to an axial direction of the bottomed container are octagonal.

Claims 68-70 (Canceled).

Claim 71 (Previously Presented): The radioactive substance container according to claim 67, wherein an outer diameter of the bottomed container is not less than 1000 mm to not more than 3000 mm and its thickness is not less than 150 mm to not more than 300 mm.

Claim 72 (Previously Presented): The radioactive substance container according to claim 67, wherein a spot facing section is further formed integrally with the bottom section at the time of forming the bottomed container.

Claim 73 (Previously Presented): The radioactive substance container according to claim 67, wherein a flange is further provided integrally with the body section of the bottomed container.

Claim 74 (Previously Presented): The radioactive substance container according to claim 67, wherein at least any one of an external section and an internal section of the bottomed container vertical to the axial direction is polygonal.

Claim 75 (Currently Amended): A radioactive substance container comprising:
a bottomed container for storing a basket for used nuclear fuel aggregate, wherein
a bottom section and a body section of the bottomed container are formed and
seamlessly without welding and ensuing heat treatment in one piece by hot dilation forming

in a container for forming, wherein sections of inner and outer circumferences of the bottomed container vertical to an axial direction of the bottomed container are octagonal.

Claim 76 (Canceled).

Claim 77 (Previously Presented): The radioactive substance container according to claim 75, wherein a spot facing section is further formed integrally with the bottom section at the time of forming the bottomed container.

Claim 78 (Previously Presented): The radioactive substance container according to claim 75, wherein a flange is further provided integrally with the body section of the bottomed container.

Claim 79 (Previously Presented): The radioactive substance container according to claim 75, wherein at least any one of sections of inner and outer circumferences of the bottomed container vertical to the axial direction is octagonal.

Claim 80 (Currently Amended): A radioactive substance container comprising a bottomed container, wherein a dosage equivalent factor of γ rays on an outer wall surface of a substantially center portion of a side surface of the body is not more than 200 $\mu\text{Sv/h}$ in the case where radioactive substance is contained in a bottomed container, wherein bottom section and body section of the bottomed container are formed integrally and seamlessly without welding and ensuing heat treatment by hot dilation forming in a container for forming, wherein sections of inner and outer circumferences of the bottomed container vertical to an axial direction of the bottomed container are octagonal.

Claim 81 (Previously Presented): The radioactive substance container according to claim 80, wherein a spot facing section is further formed integrally with the bottom section at the time of forming the bottomed container.

Claim 82 (Previously Presented): The radioactive substance container according to claim 80, wherein a flange is further provided integrally with the body section of the bottomed container.

Claims 83-105 (Canceled).

Claim 106 (Currently Amended): A container, wherein a metal billet is hot-dilated in a container for forming, and a bottom section and body section are formed integrally and seamlessly without welding and ensuing heat treatment and a thick bottomed container is obtained wherein sections of inner and outer circumferences of the thick bottomed container vertical to an axial direction of the thick bottomed container are octagonal.

Claims 107-108 (Canceled).

Claim 109 (Previously Presented): The container according to claim 106, wherein an outer diameter of the bottomed container is not less than 200 mm to not more than 4000 mm, and a thickness is not less than 20 mm to not more than 400 mm.

Claim 110 (Previously Presented): The container according to claim 106, wherein the bottomed container is constituted so that at least any one of an external section and an internal section of the bottomed container vertical to the axial direction is octagonal.

Claim 111 (Currently Amended): A container, wherein when a metal billet is hot-dilated in a container for forming and a body section is worked, one end of the metal billet is left not hot-dilated so as to be a bottom section, wherein the bottom section and the body section are formed integrally and seamlessly without welding and ensuing heat treatment, wherein sections of inner and outer circumferences of the container vertical to an axial direction of the container are octagonal.

Claims 112-113 (Canceled).

Claim 114 (Previously Presented): The container according to claim 111, wherein an outer diameter of the bottomed container is not less than 200 mm to not more than 4000 mm, and a thickness is not less than 20 mm to not more than 400 mm.

Claim 115 (Canceled).

Claim 116 (Currently Amended): A container, wherein a metal billet, where at least a section vertical to an axial direction on a pressing forward side is octagonal, is set into a container for forming, and a boring punch is pushed into the metal billet and the metal billet is hot-dilated to be formed and seamlessly without welding and ensuing heat treatment into a bottomed container where a bottom section and a body section are integral and seamless,

wherein the bottomed container is constituted so that an external section of the bottomed container vertical to the axial direction is octagonal.

Claims 117-251 (Canceled).